

PATENT INFORMATION: US 5973055 19991026  
APPLICATION INFO.: US 1997-995001 19971219 (8)

STN INTERNATIONAL LOGOFF AT 13:11:54 ON 03 FEB 2004

12/12/98

868,403

now 6,660,709

=> s pentafluorobutane  
L1 56 PENTAFLUOROBUTANE

L1 ANSWER 56 OF 56 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 406-58-6 REGISTRY  
CN Butane, 1,1,1,3,3-pentafluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1,1,1,3,3-Pentafluorobutane  
CN 2,2,4,4,4-Pentafluorobutane  
CN HFC 365  
CN HFC 365mfc  
CN R 365  
CN Solkane 365mfc  
FS 3D CONCORD  
DR 144377-42-4  
MF C4 H5 F5

F3C-CH2-CF2-Me

=> sel chem 56  
E1 THROUGH E8 ASSIGNED

=> s e1-8

L2 639 ("HFC 365"/BI OR "HFC 365MFC"/BI OR "R 365"/BI OR "SOLKANE  
365MF  
C"/BI OR "1,1,1,3,3-PENTAFLUOROBUTANE"/BI OR 144377-42-4/BI OR  
"2,2,4,4,4-PENTAFLUOROBUTANE"/BI OR 406-58-6/BI)

=> s l2 and (ether or fluoroether or methylether or fluoromethylether or  
difluoromethylether or trifluoromethylether)

L4 200 L2 AND (ETHER OR FLUOROETHER OR METHYLETER OR  
FLUOROMETHYLETER  
OR DIFLUOROMETHYLETER OR TRIFLUOROMETHYLETER)

=> s l2 (p) (ether or fluoroether or methylether or fluoromethylether or  
difluoromethylether or trifluoromethylether)

L5 95 L2 (P) (ETHER OR FLUOROETHER OR METHYLETER OR  
FLUOROMETHYLETER  
OR DIFLUOROMETHYLETER OR TRIFLUOROMETHYLETER)

=> s l2 (s) (ether or fluoroether or methylether or fluoromethylether or  
difluoromethylether or trifluoromethylether)

L6 77 L2 (S) (ETHER OR FLUOROETHER OR METHYLETER OR  
FLUOROMETHYLETER  
OR DIFLUOROMETHYLETER OR TRIFLUOROMETHYLETER)

=> dup rem l6  
PROCESSING COMPLETED FOR L6  
L7 66 DUP REM L6 (11 DUPLICATES REMOVED)

=> d 1-66 hit

=> d 1-66 ibib

L7 ANSWER 3 OF 66 USPATFULL on STN DUPLICATE 1  
ACCESSION NUMBER: 2003:319207 USPATFULL  
TITLE: Cleaner for electronic parts and method for using the

INVENTOR(S): same  
Miller, Richard L., Doylestown, PA, UNITED STATES  
Nemeth, Melodee A., Newark, DE, UNITED STATES  
PATENT ASSIGNEE(S): CRC Industries, Inc., Warminster, PA (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003224956	A1	20031204
APPLICATION INFO.:	US 2002-161018	A1	20020603 (10)

L7 ANSWER 17 OF 66 USPATFULL on STN DUPLICATE 4  
ACCESSION NUMBER: 2002:38028 USPATFULL  
TITLE: Process for purifying 1,1,1,5,5,5-  
hexafluoroacetylacetone  
INVENTOR(S): Komata, Takeo, Kawagoe-shi, JAPAN  
Ii, Nariaki, Kawagoe-shi, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002022748	A1	20020221
	US 6384286	B2	20020507
APPLICATION INFO.:	US 2001-880091	A1	20010614 (9)

L7 ANSWER 18 OF 66 USPATFULL on STN DUPLICATE 5  
ACCESSION NUMBER: 2002:17492 USPATFULL  
TITLE: Process for purifying 1,1,1,5,5,5-  
hexafluoroacetylacetone  
INVENTOR(S): Komata, Takeo, Saitama, JAPAN  
Ii, Nariaki, Saitama, JAPAN  
Hirotsu, Yoshiki, Saitama, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002010373	A1	20020124
	US 6392101	B2	20020521
APPLICATION INFO.:	US 2000-741092	A1	20001221 (9)

L7 ANSWER 19 OF 66 USPATFULL on STN DUPLICATE 6  
ACCESSION NUMBER: 2002:95855 USPATFULL  
TITLE: Production of polyurethane foams and of foamed  
thermoplastic synthetic resins  
INVENTOR(S): Kruecke, Werner, Hannover, GERMANY, FEDERAL REPUBLIC  
OF  
Zipfel, Lothar, Laatzen, GERMANY, FEDERAL REPUBLIC OF  
PATENT ASSIGNEE(S): Solvay Fluor und Derivate GmbH, Hannover, GERMANY,  
FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6380275	B1	20020430
APPLICATION INFO.:	US 1999-315816		19990521 (9)

L7 ANSWER 20 OF 66 USPATFULL on STN  
ACCESSION NUMBER: 2002:344539 USPATFULL  
TITLE: Isopropyl chloride with hydrofluorocarbon or  
hydrofluoroether as foam blowing agents

INVENTOR(S): Nyberg, Janice M., Wichita, KS, UNITED STATES  
Mainz, Eric L., Goddard, KS, UNITED STATES  
PATENT ASSIGNEE(S): Vulcan Chemicals, Division of Vulcan Materials  
Company  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002198273	A1	20021226
	US 6646020	B2	20031111
APPLICATION INFO.:	US 2002-76695	A1	20020214 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-293011P	20010523 (60)

L7 ANSWER 37 OF 66 USPATFULL on STN DUPLICATE 9  
ACCESSION NUMBER: 2001:102783 USPATFULL  
TITLE: Hydrofluoropolyether-based azeotropic or near  
azeotropic compositions  
INVENTOR(S): Musso, Ezio, Alessandria, Italy  
Basile, Giampiero, Alessandria, Italy  
Girolomoni, Sauro, Alessandria, Italy  
PATENT ASSIGNEE(S): Ausimont S.p.A., Milan, Italy (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6255273	B1	20010703
APPLICATION INFO.:	US 1999-374871		19990816 (9)

L7 ANSWER 39 OF 66 USPATFULL on STN  
ACCESSION NUMBER: 2001:123599 USPATFULL  
TITLE: FOAMING COMPOSITIONS  
INVENTOR(S): MUSSO, EZIO, CASTELLETTO D'ORBA, Italy  
BASILE, GIAMPIERO, ALESSANDRIA, Italy  
GIROLOMONI, SAURO, ALESSANDRIA, Italy

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001011107	A1	20010802
APPLICATION INFO.:	US 1999-375239	A1	19990816 (9)

L7 ANSWER 53 OF 66 USPATFULL on STN DUPLICATE 11  
ACCESSION NUMBER: 1999:132937 USPATFULL  
TITLE: Water repellent composition  
INVENTOR(S): Michaud, Pascal, Saint Gratien, France  
Costes, Bruno, Deuil-la-Barre, France  
Henry, Yves, Le Chesnay, France  
Lascours, Pierre, Cugnaux, France  
PATENT ASSIGNEE(S): Aerospatiale Societe Nationale Industrielle, Paris,  
France (non-U.S. government)  
Elf Atochem S.A., Paris, France (non-U.S.  
corporation)

NUMBER	KIND	DATE
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